



MONTHLY NOTICES

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No. I

Professor H. H. TURNER, D.Sc., F.R.S., PRESIDENT, in the Chair.

Major C. F. Close, C.M.G., R.E., Brompton Barracks, Chatham; and
Thomas Andrew Common, 63 Eaton Rise, Ealing, W.

were balloted for and duly elected Fellows of the Society.

The following candidates were proposed for election as Fellows of the Society, the names of the proposers from personal knowledge being appended :

- Alexander John Samuel Adams, Superintendent and Technical Officer, Post Office Telegraphs London Central, E.C. (proposed by William Ellis) ;
- Captain Arthur folliott Garrett, R.E., Craigbeg, Kingussie, Scotland (proposed by H. H. Turner) ;
- P. Groves-Showell, L.C.C. School for Marine Engineering, Poplar, E. (proposed by Sir W. Christie) ;
- George Bruce Halsted, M.A., Ph.D., Professor of Mathematics and Astronomy, Kenyon College, Gambier, Ohio, U.S.A.) (proposed by Professor C. S. Howe) ;
- William T. Litton, Head Master, "Shaftesbury" Training Ship (proposed by Thomas Lewis) ;
- Alfred Noël Neate, Civil Engineer, 34 Prescott Street, New Brighton, Cheshire (proposed by R. C. Johnson) ;
- Alexander Durie Russell, B.Sc., Mathematical Master, High School, Falkirk, Scotland (proposed by P. S. Hardie) ;

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John James Steward, F.R.Met.Soc., Optician, 457 West Strand, W.C. (proposed by William Shackleton);
 Lewes H. Tamplin, F.R.Met.Soc., Indo-China Steam Navigation Co., Wuhu, China (proposed by C. H. Brewitt Taylor); and
 David Wylie, Teacher of Mathematics, 9 East Road, Lancaster (proposed by Joshua Jukes).

One hundred and sixty-eight presents were announced as having been received since the last meeting, including, amongst others:

R. Buchanan, *The Mathematical Theory of Eclipses* (presented by the Author); Groningen Astronomical Laboratory, Publications, Nos. 12, 13 (presented by the Laboratory); Annals of Harvard Observatory, vol. xlv. pt. 2, vol. liii. Nos. 1, 3, vol. lvi. No. 1 (presented by the Observatory); Catalog der Astronomischen Gesellschaft [Leiden and Wien-Ottakring Zones] (presented by the Society); Milan Observatory, Albategnius, *Opus Astronomicum, latine verum* (presented by the Observatory).

Sixty Charts of the Astrographic Chart, presented by the Royal Observatory, Greenwich, and fifty-nine Charts presented by the French Minister of Public Instruction; twenty-eight Cartes Autographiées (presented by the Toulouse Observatory); seven great enlargements from photographs of the Moon by MM. Loewy and Puiseux (presented by the French Minister of Public Instruction); series of twenty-four transparencies from the late Dr. Roberts's Photographs of Nebulæ (presented by Mrs. Isaac Roberts).

Wire Micrometer by Dallmeyer (presented by Mrs. Irving Noble); Old Ring Dial (presented by Dr. Little).

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Magnetic Disturbances, 1882 to 1903, as recorded at the Royal Observatory, Greenwich, and their Association with Sun-spots.
 By E. Walter Maunder.

1. *Material Employed.*

Nearly a year ago I prepared a paper on the "Great Magnetic Storms, 1875 to 1903," which was published in the *Monthly Notices*, vol. lxiv. No. 3, p. 205. I confined my examination on that occasion to the instances in which the magnetic movement had amounted to one degree in declination, that being the definition of a "great" storm adopted by Mr. William Ellis, F.R.S., in his paper "On the Relation between Magnetic Disturbance and the Period of Solar Spot Frequency"